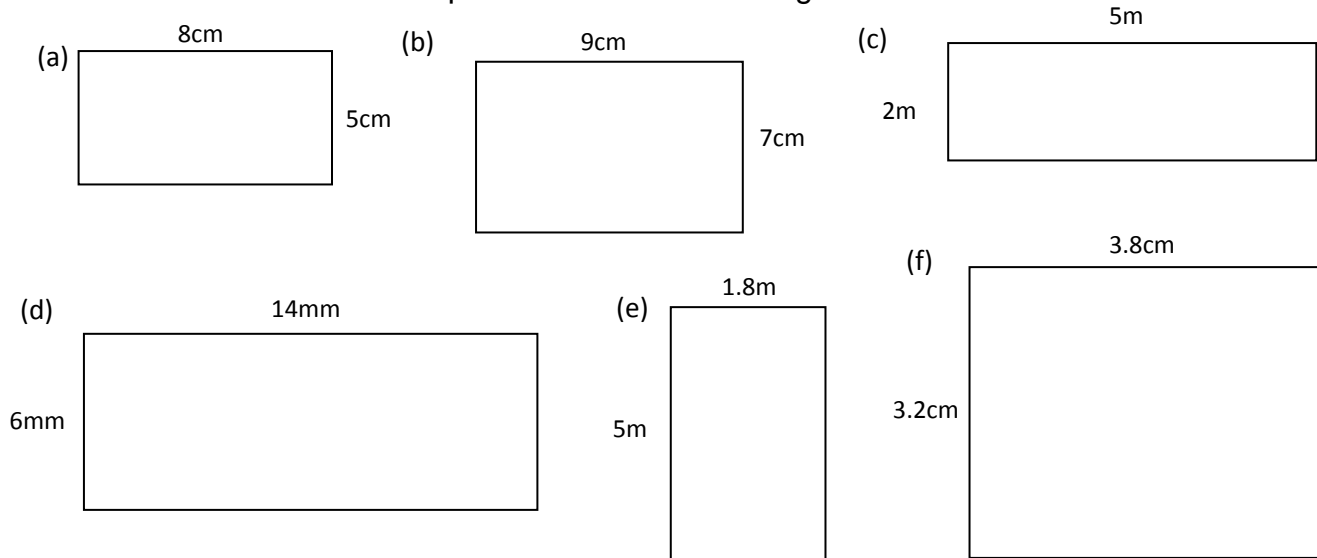


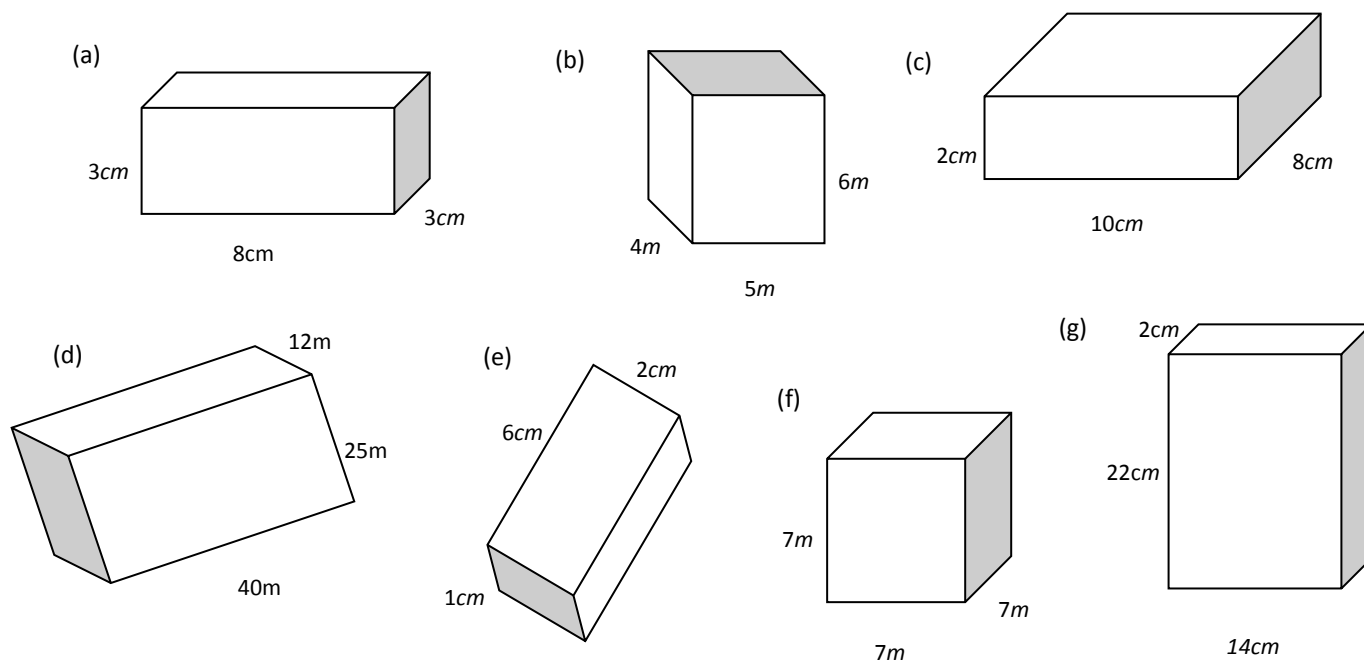
Revising Perimeter, Area and Volume

Remember to show all working out and to use the correct units of measure
You may use a calculator.

1. Calculate the area and the perimeter of each rectangle below:



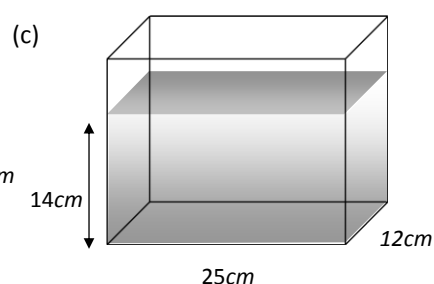
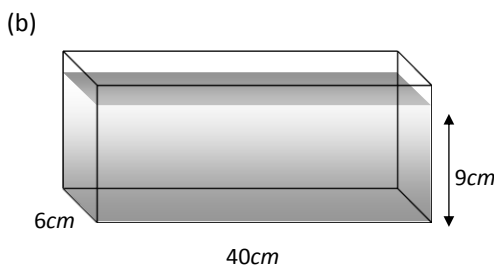
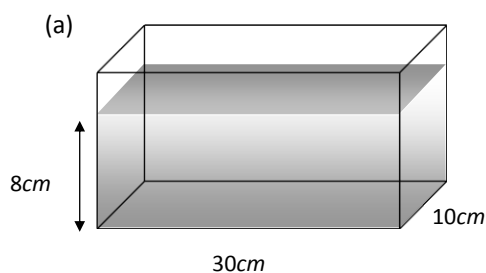
2. Calculate the volume of each cuboid below :



3. Change these volumes to litres:

- | | | |
|----------------------------|---------------------------|---------------------------|
| (a) $450\,000\text{ cm}^3$ | (b) $18\,000\text{ cm}^3$ | (c) $1\,560\text{ cm}^3$ |
| (d) 800 cm^3 | (e) 320 cm^3 | (f) 45 cm^3 |
| (g) 5370 cm^3 | (h) 70 cm^3 | (i) $12\,400\text{ cm}^3$ |

4. Calculate the volume of water, in litres, contained in each fish tank below:



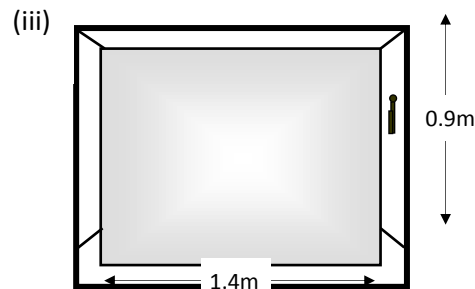
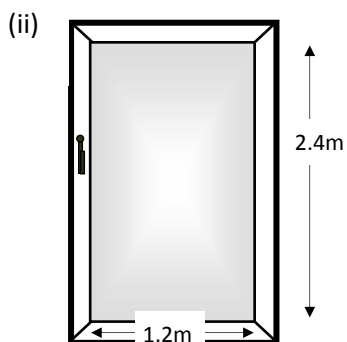
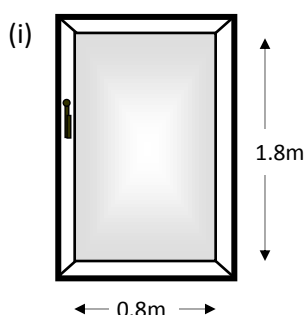
5. A carpet fitter is called out to fit a carpet in a rectangular room measuring 2.4m by 6m. . Calculate

- The area of carpet needed for the room
- The length of fixing strip to go round the edge of the carpet



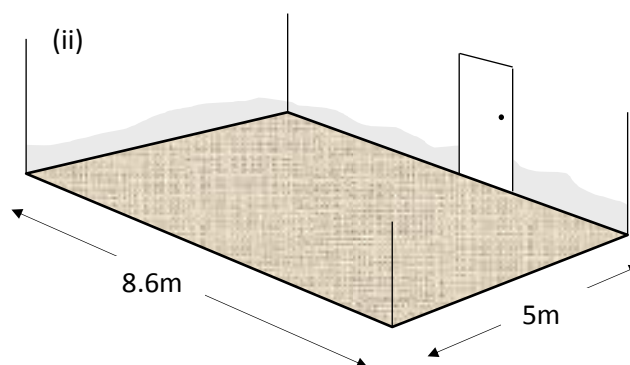
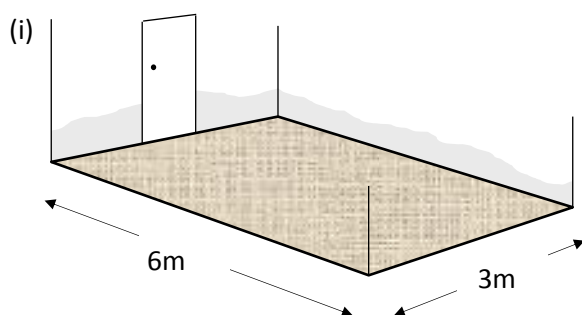
6. Calculate

- the area of the glass in each of these windows
- the length of wood needed to frame each window



7. Calculate

- the area of the carpet needed to cover each room
- the length of skirting board needed



8. Peter makes a tank to collect rainwater to use in his garden. He uses the sizes shown.

- How many litres of water will it hold?
- If it rains and the tank is half full, how many litres of rainwater are in it?

